(Pages : 2)

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Reg. No. : .....

Name : .....

Fifth Semester B.Sc. Degree Examination, December 2017
First Degree Programme under CBCSS
BOTANY
Core Course
BO 1542 : Environmental Studies and Phytogeography
(2014 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

Instruction : *Draw diagrams* ***wherever*** *specified.*

I. Answer **all** questions. **Each** question carries **1** mark.

1) Name the kind of forest present in Sunderbanes.
2) Define Ecotone.
3) Write any two endemic plants in Kerala.
4) Write any two Bird Sanctuaries in Kerala.
5) Define aerosol.
6) Describe ecological niche.
7) Write a note on Pneumatophores.
8) Expand IUCN.
9) What is JFM ?
10) What is genetic diversity ?

(10×1=10 Marks)

II. Answer **any eight** of the following (short answer questions, **each** question carries **2** marks).

11) Describe food chain.
12) Write a note on Ramsar sites.
13) Define *in situ* conservation.

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14) Vivipary.
15) Write a note on extinction.
16) Define sustainable development.
17) Make comment on UNEP.
18) Write a short note on Chipko Movement.
19) Distinguish between hydrophytes and xerophytes.
20) Write a note on the mangrove forests in Kerala.
21) Describe CBD.
22) Define renewable resources with an example. **(8×2=16 Marks)**

III. Answer **any six** of the following (short essay questions, **each** question carries **4** marks).
23) Describe the impact of thermal pollution.
24) Write a note on values of biodiversity.
25) Describe noise pollution.
26) Make a comment on cyclones.
27) Write a note on hot spots of biodiversity.
28) Make a comment on Water Act.
29) Write a brief note on the magnitude of biodiversity loss.
30) Write a short note on IPCC.
31) Make an account on the problems associated with invasive species. **(6×4=24 Marks)**

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IV. Answer **any two** of the following. (Long essay questions, **each** question carries **15** marks).
32) Write a detailed account on the phytogeographical regions of India.
33) Write an account on various kinds of air pollutants. Describe Air (Prevention and Control of Pollution) Act.
34) Write an essay on various ex situ conservation methods adopted for plant diversity conservation.
35) Describe various kinds of solid waste management. **(2×15=30 Marks)**
